

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: April 12, 2005

Inspector: Diana Walden

Location: 345kV XLPE Component

Storm/

Rain Event: Approximately 0.57" of precipitation was recorded over 4/7-4/8 as reported by NOAA

Areas of Inspection	Observation	Recommended Action	Corrective Action
Access Roads and Adjacent Roadways	<ul style="list-style-type: none"> -The jack and bore of East Swamp Brook is accessed from the roadway. 2/16-4/12/06. - No obvious sediment tracking was present on the roadway. 4/12/06 -Work continues with several crews on Walnut Hill Rd. 4/12/06 - All observed catch basins were placed with controls. 4/12/06 -The stone access off Rt. 58 is in good shape. Mats are gone and an area of flooded open trench is accessed from the stone. 4/6-4/12/06 - Some vehicle tracking was noted in the wetland where the mats were removed. 4/12/06 	<ul style="list-style-type: none"> - Equipment is located on both sides of the bore as well as in the adjacent ball park during the day. 4/12/06. -Street sweeping is being performed regularly. Continue to monitor. 4/12/06 - Continue to monitor. 4/12/06 -Continue to place controls on CBs that could receive sediment from the project. 4/12/06 - Stone will be removed at the end of work here. See other sections for more information. 4/6-4/12/06 -Avoid backtracking into this area since the mats have already been pulled. 4/12/06 	<ul style="list-style-type: none"> - N/A -Street sweeping will be done regularly. - N/A - CBs are being covered. - N/A.
Trench and foundation construction	<ul style="list-style-type: none"> - Actual excavation for the jack and bore of East Swamp Brook located at the intersection of 	<ul style="list-style-type: none"> - The area remains well contained at this time. See dewatering section for more information. 4/12/06 	<ul style="list-style-type: none"> -N/A

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Trench and foundation construction continued	<p>Plumtrees Rd. Walnut Hill Rd. and Whittlesey Dr. is ongoing. Sheet piling/shoring is in place on both sides of the intersection. 2/2-4/12/06</p> <p>- New drill points were being installed in an effort to dry up the excess water through a chemical process. 4/12/06</p>	- See erosion control section for more information. 4/12/06	-N/A
	<p>- Crews continued trenching in several locations along Walnut Hill Rd. 4/6-4/12/06</p> <p>-This includes work in the pull-off near vault 2a and b. 4/12/06</p> <p>-The trench is complete along the slope at Hoyts Hill with a small area of open trench remaining at the base. Trenching continues within the station pad. 4/6-4/12/06</p>	<p>- Some attention and silt fence extension was required here. See erosion control section for more details. 4/12/06</p> <p>- Some recommendations are present in the erosion control and material storage sections. 4/12/06</p>	
<p>Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)</p> <p>Plumtree Access and Walnut Hill Rd.</p>	<p>- Moving the dewatering box caused some minor disturbance to the wetland swale along the access road. 3/15-4/12/06</p> <p>- Work continues near vault 2A&B. Silt fence should be extended on either side of the work here to encompass the disturbed soil. 4/12/06</p> <p>- The filter bag dewatering discharge still retained some turbidity by the time it reached the adjacent wetlands. 4/12/06</p>	<p>-The small disturbed area within the swale should be regraded and restored. 3/15-4/12/06</p> <p>- Extend silt fence as needed and a few areas could use repairs. Stone piles here will also be picked up when work is complete. 4/12/06</p> <p>- Install a few haybales or extra silt fence in order to provide additional filtration. 4/12/06</p>	
Jack and Bore	-The plastic liner was	-The stream was running	-N/A at the time

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Hoyts Hill	<p>extended within the stream bed. Additional stone was placed and sand bags remain installed to divert the stream away from the work in an attempt to reduce water in the bore. 4/6-4/12/06</p> <p>- New drill points were installed. Erosion controls were in place to the west of the stream but temporarily down for access on the east. 4/12/06</p> <p>- Erosion control mats and blankets had been installed but a discharge of grout was located here</p> <p>-Materials were once again stacked in the adjacent wetland area. 4/12/06</p> <p>- The controls for dewatering and the adjacent silt fence were still in good shape here. 4/12/06</p>	<p>clear at the time and will be restored eventually. 4/12/06</p> <p>- Controls are supposed to be restored almost immediately. 4/12/06</p> <p>-The grout will have to be cracked and removed for final stabilization. 4/12/06</p> <p>-Watch storage of materials here. 4/12/06</p> <p>-None at this time. Continue to monitor. 4/12/06</p>	-N/A
Inland Wetland and Watercourse encroachment and mitigation	-East Swamp Brook crosses under Plumtrees Rd. A large plastic liner is in place across the bed and up along the banks to keep water out of the bore trench. Additional stone was added and sand bags were installed in an attempt to divert the water. 4/6-4/12/06	- The stream continues to run clear. Be sure to remove the liner and restore the natural bed when work is complete. Watch the banks where soil was disturbed for any erosion. 2/16-4/12/06	-N/A at this time until the work is complete
State species of concern, threatened and endangered species	-The D&M plan and clearance letter states that state-listed species are not located in this work area.	- N/A	-N/A

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Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> -Most work on this project remains in the roadway, access drives or maintained lawn areas. 4/12/06 - A number of areas remain disturbed along the roadways. 4/12/06 	<ul style="list-style-type: none"> -Restore lawn and vegetation as necessary when work is complete during the growing season. This is needed especially where vaults were installed. 3/2-4/12/06 	<ul style="list-style-type: none"> -N/A until work is complete.
Dewatering	<ul style="list-style-type: none"> -The amount of water continues to overwhelm the dewatering efforts at the jack and bore. A new, additional chemical process was underway in an attempt to dry up the water so the work can be performed. 4/12/06 - Slight dewatering at Hoyts Hill continues with controls well in place. 4/6-4/12/06 - Dewatering also continues at the trenchwork near vault 2. The filter bag was working well but additional filtration was needed. 4/12/06 	<ul style="list-style-type: none"> - In addition, the frac tank is in use and attempts are underway to divert stream water from over the work area with sand bags. 4/6-4/12/06 -Continue to monitor but controls are effective at this time. 4/6-4/12/06 - See erosion control section for recommendation. 4/12/06 	<ul style="list-style-type: none"> -N/A -N/A
Blasting	<ul style="list-style-type: none"> - No blasting is occurring at this work area. 	<ul style="list-style-type: none"> - None at this time. 	<ul style="list-style-type: none"> -N/A
Soils	<ul style="list-style-type: none"> - For the most part, soil is being removed directly from the trenchwork on Walnut Hill Rd. and the operation in the road is very clean. 4/12/06 - Topsoil was stripped and stockpiled at the contractor yard. 3/15-4/12/06 	<ul style="list-style-type: none"> - None at this time. 4/12/06 - None at this time. Controls are well installed here. 3/15-4/12/06 	<ul style="list-style-type: none"> - N/A -N/A
Spills and Material Storage Areas	<ul style="list-style-type: none"> - Equipment should be stored overnight up to 100ft or as far from resource areas where 	<ul style="list-style-type: none"> - Report spills immediately, even if they are being controlled. - Any fuels and agents not 	

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	practicable. 1/19-4/12/06 -Materials were noted stored in the wetland area adjacent to the stone access at Hoyts Hill. Storage in wetlands should be avoided 4/12/06	in use should be covered and stored before leaving for the day. - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site.	

Next likely scheduled inspection:

Thursday, April 20, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



345kV XLPE (Walnut Hill Rd): Photo on the left shows a view of the trenching and installation along Walnut Hill Rd. Photo on the right shows the active trench work in the pull-off near vault 2a and b. 4/12/06



Both photos show either end of the trench work near vault 2 where silt fence should be extended to encompass the disturbed soil here. 4/12/06



Photo on the left shows the filter bag for dewatering this area. Photo on the right shows the discharge from the bag which is somewhat filtered but could use additional treatment before reaching the wetland. A few haybales or silt fence could be installed. 4/12/06



345kV XLPE (Jack and Bore): Photo on the left shows silt fence installed adjacent to recent drill point installations. Photo on the right shows a view of the stream where a diversion is being created with sand bags. Additional stone and lining were added. 4/12/06



(Whittlesey Dr and Hoyts Hill): Photo on the left shows the end of the trench work on Whittlesey Drive. Photo on the right shows the remaining open excavation near Hoyts Hill at the stone access pad. 4/12/06



Photo on the left shows an overview of the area and the restored slope. Materials were being stored in the adjacent wetland area and vehicles are accessing past the stone. Attempt to avoid this where possible. Photo on the right shows the good controls remaining at the dewatering outlet. 4/12/06